BRUHAT BENGALURU MAHANAGARA PALIKE
PROJECT DIVISION-YALAHANKA

Name of Work: Improvments to Tiolet in Ward No 08 Kodigehalli — Est Cost:- 25.00 Lakh

SL.No	Description / Chainage	Side / Unit	Nos	Length in m	Bredth in m	Depth in m	Quantity	Rate	Amount
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work...Pg No.143.Item No.19.1)								
	Basic Rate	130.00							
	Area Weightage @ 6%	7.80							
	Total	**137.80**							
		Cum							
	New RCC Drain								
	Amco layout								
	2nd Cross Road								
		RHS	1	86.00	1.10	0.90	85.14		
		LHS	1	88.50	1.10	0.90	87.62		
	Amco Layout								
	Cross Road (Behind Narayana PU College)								
		LHS	1	145.00	1.10	0.90	143.55		
	Kerb Bottom								
	2nd Cross Road	RHS	1	83.00	0.20	0.15	2.49		
		LHS	1	86.00	0.20	0.15	2.58		
	Desilt Only	RHS	1	4.70	0.60	0.60	1.69		
		RHS	1	9.50	0.60	0.60	3.42		
		LHS	1	9.20	0.60	0.60	3.31		
	Over Burdan Earth								
	2nd Cross Road		2	20.00	2.00	1.00	80.00		
			2	18.00	1.40	1.00	50.40		
	Cross Road		2	25.00	3.00	1.00	150.00		
							610.20	**137.80**	**84,085.42**
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Pg No.13 .Item No.4.2)								
	Basic Rate	5,194.00							
	Area Weightage @ 6%	311.64							
	Total	**5,505.64**							
		Cum							
	Amco layout								
	2nd Cross Road								
		RHS	1	86.00	1.10	0.15	14.19		
		LHS	1	88.50	1.10	0.15	14.60		
	Cross Road (Behind Narayana PU College)								
		LHS	1	145.00	1.10	0.15	23.93		
	Kerb Bottom								
	2nd Cross Road	RHS	1	83.00	0.20	0.10	1.66		
		LHS	1	86.00	0.20	0.10	1.72		
							56.10	**5,505.64**	**3,08,852.64**
3	Providing and laying plain/reinforced **cement concrete for side drains using M20 nominal mix** concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo-**Wall and Bottom Thickness 15cm** (I No-37.59.2,P No-271)								

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Sl.No	Description Chainage	Side / Unit	Nos	Length in m	Bredth in m	Depth in m	Quantity	Rate	Amount
	Basic Rate	6,670.00							
	Area Weightage @ 6%	400.20							
	Total	**7,070.20**							
		Cum							
	RAFT CONCRETE								
	Amco layout								
	2nd Cross Road								
		RHS	1	86.00	1.10	0.15	14.19		
		LHS	1	88.50	1.10	0.15	14.60		
	Cross Road (Behind Narayana PU College)								
		LHS	1	145.00	1.10	0.15	23.93		
	Side Wall Concrete								
	Amco layout								
	2nd Cross Road								
		RHS	2	86.00	0.15	0.60	15.48		
		LHS	2	88.50	0.15	0.60	15.93		
	Cross Road (Behind Narayana PU College)								
		LHS	2	145.00	0.15	0.60	26.10		
							110.23	**7,070.20**	**7,79,330.47**
4	KSRB - 4.9.2: Providing TMT steel Fe500 reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work								
	Basic Rate	70,966.00							
	Area Weightage 6%	4,257.96							
	Total	**75,223.96**							
		Tonne							
	Consider 60kg for Drain		1	110.23	0.06		6.61		
							6.61	**75,223.96**	**4,97,504.94**
5	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work								
	Data Rate 2,111.00	**Sq-m**							
	Amco layout								
	2nd Cross Road								
		RHS	1	58.00	0.90		52.20		
		LHS	1	68.00	0.90		61.20		
	Cross Road (Behind Narayana PU College)								
		LHS	1	64.50	0.90		58.05		
	Missing Slabs		12	0.60	0.75		5.40		
							176.85	**2,111.00**	**3,73,330.35**
6	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD SR 2016-17)								
	Basic Rate	912.00							
	6% Area Weightage	54.72							
	Total	**966.72**							
		Sq-m							
	Amco layout								
	2nd Cross Road								
		RHS	1	40.00	1.00		40.00		
		LHS	1	33.00	1.00		33.00		
							73.00	**966.72**	**70,570.56**

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No	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
6								A.Sub Total Cost of KPWD SR items	111910.79
								B.Total Construction Cost	2335243.79
7								C.Cost towards PMC / Third Party inspection LS=B*2%	46705.00
8								D.Cost towards 12% GST on KPWD SR Items and PMC Charges=(A+C)*12%	19033.89
9								E.Cost towards 3% KRIDL Charges+ 1% CESS=B*4%	93419.75
								F.Sub Total=(B+C+D+E)	2494392.43
10								G.Miscellaneous and rounding off	5607.57
								H.Total=(G+H)	2500000.00

Certificate.

1 The workspot was inspected and work is found to be necessary.
2 The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3 The rates adopted based on the PWD SR, Bangalore circle for year 2018-19.
4 The provisions made in the estimate are necessary and essential.

Assistant Engineer
Project Division Yelahanka
BBMP Bangalore

Asst. Executive Engineer,
Project Division Yelahanka
BBMP Bangalore

Executive Engineer,
Project Division Yelahanka
BBMP Bangalore
12/x/18

Administrative Approval
Accorded For Rs.25.00 Lakhs
Head of A/C P-3294
CER NO :13 Dt:30/11/18

E.E. (Project) 30/11

Technical Sanction
Accorded For Rs.25.00 Lakhs only
Head of A/C P-3294
CER NO TS/10.11/18 Dt:30.11.18

TA CE (YNK)

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